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AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 8, 12, 14-23, and 26-35 as noted below, and cancel Claim 7.

- 1. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device, comprising a plurality of inflatable bladders configured to provide compression of a breast; a reservoir; and a fluid flow path comprising an inflow line and an outflow line for placing the bladders in fluid communication with the reservoir; wherein the entire closed loop heating system can be operated and removed without exposing a fluid within said closed loop to the outside of the closed loop system; wherein each bladder has an inflated width of no more than about 3 inches and an inflated length of no more than about 4 inches said bladders comprise a plurality of generally pear shaped lobes; and wherein said fluid flow path comprises a movable wall such that fluid in the system can be moved by application of external pressure to the movable wall.
- 2. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 1, wherein the reservoir comprises a movable wall.
- 3. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 2, wherein the reservoir comprises a compressible container.
- 4. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 1, comprising at least 3 inflatable bladders.
- 5. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 1, comprising at least 6 inflatable bladders.
- 6. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 1, further comprising a heat exchange fluid contained within the closed loop.
 - 7. (Cancelled)
- 8. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim [[7]] 1, wherein each bladder has an inflated width of no more than about 2 inches and an inflated length of no more than about 3 inches.
- 9. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 4, wherein each bladder has an inflated thickness of no more than about 2 inches.

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10. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 9, wherein each bladder has an inflated thickness of no more than about 1 inch.

- 11. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 1, wherein the fluid flow path comprises a first conduit extending between the bladders and the reservoir and a second conduit extending between the bladders and the reservoir.
- 12. (Currently Amended) An array of inflatable bladders for use in a breast pump, comprising:

at least a first and a second inflatable bladder in a series flow path configured to provide compression of a breast;

a flow path extending between the first and second bladder;

a reservoir;

and a flow path comprising an inflow line and an outflow line between the reservoir and the first and second bladder; said flow path comprising a movable wall such that a fluid in the system can be moved by application of external pressure to the movable wall;

wherein each bladder has an inflated width of no more than about 3 inches and an inflated length of no more than about 4 inches said bladders comprise a plurality of generally pear-shaped lobes;

and wherein said array can be removed from operative association with a pump without exposing the fluid within said array to the outside of the array of inflatable bladders.

13. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device, comprising a plurality of inflatable bladders configured to provide a compressive force anatomically adjacent to a lactiferous sinus of a breast for the purpose of expressing intraductal fluid; a reservoir; and a fluid flow path comprising an inflow line and an outflow line for placing the bladders in fluid communication with the reservoir; wherein the entire closed loop heating system can be operated and removed without exposing a fluid within said closed loop to the outside of the closed loop system; and wherein said fluid flow path

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comprises a movable wall such that fluid in the system can be moved by application of external pressure to the movable wall.

- 14. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 13 [[1]], wherein the reservoir comprises a movable wall.
- 15. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 14 [[2]], wherein the reservoir comprises a compressible container.
- 16. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 13 [[1]], comprising at least 3 inflatable bladders.
- 17. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 13 [[1]], comprising at least 6 inflatable bladders.
- 18. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 13 [[1]], further comprising a heat exchange fluid contained within the closed loop.
- 19. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 16 [[4]], wherein each bladder has an inflated width of no more than about 3 inches and an inflated length of no more than about 4 inches.
- 20. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 19 [[7]], wherein each bladder has an inflated width of no more than about 2 inches and an inflated length of no more than about 3 inches.
- 21. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 16 [[4]], wherein each bladder has an inflated thickness of no more than about 2 inches.
- 22. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 21 [[9]], wherein each bladder has an inflated thickness of no more than about 1 inch.
- 23. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 13 [[1]], wherein the fluid flow path comprises a first conduit extending between the bladders and the reservoir and a second conduit extending between the bladders and the reservoir.

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24. (Previously Presented) An array of inflatable bladders for use in a breast pump, comprising:

at least a first and a second inflatable bladder configured to provide a compressive force to a breast anatomically adjacent to a lactiferous sinus of a breast for the purpose of expressing intraductal fluid;

a flow path extending between the first and second bladder;

a reservoir;

and a flow path comprising an inflow line and an outflow line between the reservoir and the first and second bladder; said flow path comprising a movable wall such that a fluid in the system can be moved by application of external pressure to the movable wall;

wherein said array can be removed from operative association with a pump without exposing the fluid within said array to the outside of the array of inflatable bladders.

- 25. (Previously Presented) A closed loop heating system for a nipple aspirate fluid aspiration device, comprising a plurality of inflatable bladders configured to provide radially symmetrical compression of a breast along a longitudinal axis for the purpose of expressing intraductal fluid; a reservoir; and a fluid flow path comprising an inflow line and an outflow line for placing the bladders in fluid communication with the reservoir; wherein the entire closed loop heating system can be operated and removed without exposing a fluid within said closed loop to the outside of the closed loop system; and wherein said fluid flow path comprises a movable wall such that fluid in the system can be moved by application of external pressure to the movable wall.
- 26. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim <u>25</u> [[1]], wherein the reservoir comprises a movable wall.
- 27. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim <u>25</u> [[2]], wherein the reservoir comprises a compressible container.
- 28. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim <u>25</u> [[1]], comprising at least 3 inflatable bladders.

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29. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim <u>25</u> [[1]], comprising at least 6 inflatable bladders.

- 30. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim <u>25</u> [[1]], further comprising a heat exchange fluid contained within the closed loop.
- 31. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 28 [[4]], wherein each bladder has an inflated width of no more than about 3 inches and an inflated length of no more than about 4 inches.
- 32. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 31 [[7]], wherein each bladder has an inflated width of no more than about 2 inches and an inflated length of no more than about 3 inches.
- 33. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 28 [[4]], wherein each bladder has an inflated thickness of no more than about 2 inches.
- 34. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim 33 [[9]], wherein each bladder has an inflated thickness of no more than about 1 inch.
- 35. (Currently Amended) A closed loop heating system for a nipple aspirate fluid aspiration device as in Claim <u>25</u> [[1]], wherein the fluid flow path comprises a first conduit extending between the bladders and the reservoir and a second conduit extending between the bladders and the reservoir.
- 36. (Previously Presented) An array of inflatable bladders for use in a breast pump, comprising:

at least a first and a second inflatable bladder configured to produce radially symmetrical compression of a breast around a longitudinal axis for the purpose of expressing intraductal fluid;

a flow path extending between the first and second bladder;

a reservoir;

and a flow path comprising an inflow line and an outflow line between the reservoir and the first and second bladder; said flow path comprising a movable wall such

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that a fluid in the system can be moved by application of external pressure to the movable wall;

wherein said array can be removed from operative association with a pump without exposing the fluid within said array to the outside of the array of inflatable bladders.